

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Mohamed K. Nezami
Filing Date: April 2, 2004
Title: ACQUIRING A FREQUENCY AND PHASE OFFSET
 ESTIMATES USING FREQUENCY DOMAIN ANALYSIS

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

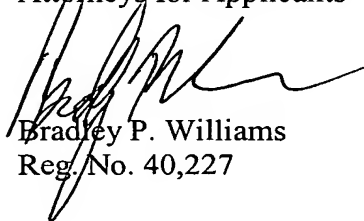
Dear Sir:

Information Disclosure Statement

Under 37 C.F.R. §§ 1.56, .97, and .98, Applicants respectfully request that the references listed in the attached PTO-1449 form be considered and cited in the examination of the Application. The present Application was filed after June 30, 2003. Therefore, under the July 11, 2003, waiver of 37 C.F.R. § 1.98(a)(2)(i) by the U.S. Patent and Trademark Office, copies of U.S. Patents and U.S. Patent Application Publications listed in the attached PTO-1449 form are not enclosed. Copies of all other references are enclosed for the convenience of the Examiner.

Applicants believe no fees are due. Nonetheless, the Commissioner is hereby authorized to charge any fee and credit any overpayment to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,
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Date: April 2, 2004

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Customer Number: **05073**

PTO-1449		Application No.		Applicant(s) Mohamed K. Nezami			
Information Disclosure Citation in an Application		Docket Number 064750.0475		Group Art Unit		Filing Date April 2, 2004	
U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	6,532,271 B1	03/11/2003	Hwang et al.	375	326	10/29/1999
	B						
	C						
	D						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	E						
	F						
	G						
	H						
NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
	I	Luise, M. et al., "Carrier Frequency Recovery in All-Digital Modems for Burst-Mode Transmissions", IEEE Transactions on Communications, Vol. 43, No. 2/3/4, © 1995 IEEE, pages 1169-1178.					02/03/04/1995
	J	De Gaudenzi, R., "Performance Analysis of Decision-Directed Maximum-Likelihood Phase Estimators for M-PSK Modulated Signals", IEEE Transactions on Communications, Vol. 43, No. 12, © 1995 IEEE, pages 3090-3100.					12/1995
	K	Mengali, U. et al., "Data-Aided Frequency Estimation for Burst Digital Transmission", IEEE Transactions on Communications, Vol. 45, No. 1, © 1997 IEEE, pages 23-25.					01/1997
	L	Morelli, M. et al., "Feedforward Carrier Frequency Estimation with MSK-Type Signals", IEEE Communications Letters, Vol. 2, No. 8, © 1998 IEEE, pages 235-237.					08/1998
	M	So, H.C. et al., "Comparison of Various Periodograms for Sinusoid Detection and Frequency Estimation", IEEE Transactions on Aerospace and Electronic Systems, Vol. 35, No. 3, © 1999 IEEE, pages 945-952.					07/1999
	N	Lyons, R., "How to Interpolate in the Time-Domain by Zero-Padding in the Frequency Domain", lowegian's dspGuru™, http://www.dspguru.com/howto/tech/zeropad2.htm , © 1999, 4 pages.					1999
	O	Wang, Y. et al., "Performance Analysis of a Class of Nondata-Aided Frequency Offset and Symbol Timing Estimators for Flat-Fading Channels", IEEE Transactions on Signal Processing, Vol. 50, No. 9, © 2002 IEEE, pages 2295-2305.					09/2002
	P	Nezami, Mohamed K., "Preamble-Less Carrier Phase Recovery in Rayleigh and Rician Channels", © 2003, 5 pages.					2003
	Q						
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

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